



STIC Search Report

EIC 2100

STIC Database Tracking Number: 169068

TO: LaShonda Jacobs
Location: RND-4B65

Art Unit: 2157
Thursday, February 02, 2006
Case Serial Number: 09/608,394

From: Lance Sealey
Location: EIC 2100
RND-4B11

Phone: 571-272-8666

Lance.Sealey@uspto.gov

Search Notes

Dear LaShonda,

Here is the result of your search request.
Please let me know if you have any questions.

Lance

Green, Shirelle

From: Jacobs, Lashonda
Sent: Thursday, January 26, 2006 7:05 AM
To: STIC-EIC2100
Subject: Database Search Request, Serial Number: 09608394

Requester:
LASHONDA JACOBS (P/2157)
Art Unit:
GROUP ART UNIT 2157
Employee Number:
79462
Office Location:
RND 04B65
Phone Number:
(571)272-4004
Mailbox Number:

Case serial number:
09608394
Class / Subclass(es):
709/229,223,224,203,217,219
Earliest Priority Filing Date:
6/30/00
Format preferred for results:
Paper
Search Topic Information:

controlling appliances from a remote location by obtaining the appliance control module by using the URL address to contact the remote location maintaining control module. the remote location can be a server or computer of the manufacturer of the appliance.

Special Instructions and Other Comments:

SEARCH PREP TIME: 130 MIN.
TERMINAL TIME : 290 MIN.

177625

102

RECEIVED
JAN 26 2006
BY: *[Signature]*

Set	Items	Description
S1	6	AU=((NIEMINEN, H? OR NIEMINEN H?) AND (SALMINEN I? OR SALMINEN, I?) AND (TUOMISTO T? OR TUOMISTO, T?))
S2	0	(AU=(NIEMINEN, H? OR NIEMINEN H? OR SALMINEN I? OR SALMINEN, I? OR TUOMISTO T? OR TUOMISTO, T?) AND (APPLIANCE? ? OR COFFEEMAKER? ? OR COFFEE()MAKER? ? OR VCR? ? OR VIDEO()CASSETTE-()RECORDER OR (CD OR DVD)()PLAYER? ? OR DISHWASHER? ? OR OVEN? ? OR THERMOS

? show files

File 347:JAPIO Nov 1976-2005/Sep(Updated 060103)

(c) 2006 JPO & JAPIO

File 348:EUROPEAN PATENTS 1978-2006/Jan W02

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File 349:PCT FULLTEXT 1979-2005/UB=20051229,UT=20051222

(c) 2005 WIPO/Univentio

File 350:Derwent WPIX 1963-2006/UD,UM &UP=200607

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      0 AU=SALMINEN, I?
      9 AU=TUOMISTO T?
      0 AU=TUOMISTO, T?
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    35865 COFFEE
    23908 MAKER? ?
    2948 COFFEE(W)MAKER? ?
    17204 VCR? ?
    630945 VIDEO
    140917 CASSETTE
    159905 RECORDER
      7320 VIDEO(W)CASSETTE(W)RECORDER
    221852 CD
      62189 DVD
    146468 PLAYER? ?
    20354 (CD OR DVD)(W)PLAYER? ?
    14280 DISHWASHER? ?
    167605 OVEN? ?
    35251 THERMOSTAT? ?
    69025 DISH
    51357 CLOTHES
    105150 WASHER? ?
    68965 DRYER? ?
      7834 (DISH OR CLOTHES)(W)(WASHER? ? OR DRYER? ?)
4763555 PD=19990630 : PD=20020630
6060260 PD=20020701 : PD=20060202
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      SALMINEN, I? OR TUOMISTO T? OR TUOMISTO, T?) AND
      (APPLIANCE? ? OR COFFEEMAKER? ? OR COFFEE()MAKER? ? OR
      VCR? ? OR VIDEO()CASSETTE()RECORDER OR (CD OR
      DVD)()PLAYER? ? OR DISHWASHER? ? OR OVEN? ? OR
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      PD=(20020701:20060202))

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1/5/6 (Item 2 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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014754346 **Image available**
WPI Acc No: 2002-575050/200261
XRPX Acc No: N02-455929

**Network for providing interaction and control of common appliances
comprising a appliance control module (ACM).**

Patent Assignee: NOKIA CORP (OYNO); NOKIA INC (OYNO)

Inventor: SALMINEN I ; TUOMISTO T ; NIEMINEN H

Number of Countries: 091 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200201795	A2	20020103	WO 2001IB1039	A	20010611	200261 B
AU 200162593	A	20020108	AU 200162593	A	20010611	200275
EP 1295433	A2	20030326	EP 2001936730	A	20010611	200323
			WO 2001IB1039	A	20010611	
KR 2003019475	A	20030306	KR 2002718061	A	20021230	200345
CN 1440607	A	20030903	CN 2001812105	A	20010611	200380
AU 2001262593	A8	20050908	AU 2001262593	A	20010611	200568
CN 1665213	A	20050907	CN 200565023	A	20010611	200607

Priority Applications (No Type Date): US 2000608394 A 20000630

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200201795 A2 E 21 H04L-012/00

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN
CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200162593 A Based on patent WO 200201795

EP 1295433 A2 E H04L-012/26 Based on patent WO 200201795

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI TR

KR 2003019475 A H04L-012/12

CN 1440607 A H04L-012/28

AU 2001262593 A8 H04L-012/28 Based on patent WO 200201795

CN 1665213 A H04L-012/28

Abstract (Basic): WO 200201795 A2

NOVELTY - A local wireless communication interface, such as Bluetooth (18), is integrated with each appliance for communicating with a local controller (14) and server (16) wirelessly with device such as mobile phone (22), PDA (28). The ACM is installed onto the local server and control of the appliance can then be performed by accessing the local server with the local controller, e.g. mobile phone.

USE - Appliance such as room heating thermostat.

ADVANTAGE - The ACM is device independent module e.g. Java Remote Method Invocation. Also as the remote appliance manufacturer server will recognize the type of operating system used by the local server, the ACM may be platform dependent binary code, hence compatibility is achieved.

DESCRIPTION OF DRAWING(S) - The figure is a schematic illustration of an appliance control network

Local server (16)

Local controller (14)

Wireless devices (22,28)

pp; 21 DwgNo 1/3
Title Terms: NETWORK; INTERACT; CONTROL; COMMON; APPLIANCE; COMPRISE;
APPLIANCE; CONTROL; MODULE
Derwent Class: T01; W01
International Patent Class (Main): H04L-012/00; H04L-012/12; H04L-012/26;
H04L-012/28
International Patent Class (Additional): H04L-029/06
File Segment: EPI
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? show files

File	2:INSPEC 1898-2006/Jan W2	(c) 2006 Institution of Electrical Engineers
File	6:NTIS 1964-2006/Jan W4	(c) 2006 NTIS, Intl Cpyrght All Rights Res
File	8:Ei Compendex(R) 1970-2006/Jan W4	(c) 2006 Elsevier Eng. Info. Inc.
File	34:SciSearch(R) Cited Ref Sci 1990-2006/Jan W4	(c) 2006 Inst for Sci Info
File	65:Inside Conferences 1993-2006/Jan W5	(c) 2006 BLDSC all rts. reserv.
File	94:JICST-EPlus 1985-2006/Nov W3	(c)2006 Japan Science and Tech Corp(JST)
File	99:Wilson Appl. Sci & Tech Abs 1983-2005/Dec	(c) 2006 The HW Wilson Co.
File	148:Gale Group Trade & Industry DB 1976-2006/Feb 02	(c)2006 The Gale Group
File	636:Gale Group Newsletter DB(TM) 1987-2006/Feb 02	(c) 2006 The Gale Group

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49 AU=NIEMINEN, H?
33 AU=NIEMINEN H?
35 AU=SALMINEN I?
5 AU=SALMINEN, I?
19 AU=TUOMISTO T?
17 AU=TUOMISTO, T?
259283 APPLIANCE? ?
2558 COFFEEMAKER? ?
123116 COFFEE
506106 MAKER? ?
3365 COFFEE(W)MAKER? ?
47209 VCR? ?
1047714 VIDEO
44278 CASSETTE
68426 RECORDER
1644 VIDEO(W)CASSETTE(W)RECORDER
583944 CD
97838 DVD
550715 PLAYER? ?
31916 (CD OR DVD)(W)PLAYER? ?
11065 DISHWASHER? ?
78215 OVEN? ?
14910 THERMOSTAT? ?
56078 DISH
72588 CLOTHES
22875 WASHER? ?
37468 DRYER? ?
3313 (DISH OR CLOTHES)(W)(WASHER? ? OR DRYER? ?)
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43143305 PY<2000
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VCR? ? OR VIDEO()CASSETTE()RECORDER OR (CD OR
DVD)()PLAYER? ? OR DISHWASHER? ? OR OVEN? ? OR
THERMOSTAT? ? OR (DISH OR CLOTHES)() (WASHER? ? OR DRYER?
?)) AND (PD<19990630 OR PY<2000)

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S2	272314	WEBSITE? ? OR WEBPAGE? ? OR (WEB OR INTERNET OR ONLINE OR - HOME) () (PAGE? ? OR SITE? ? OR LOCATION? ?) OR HOMEPAGE? ? OR - HTML()DOCUMENT? ? OR ADDRESS? ? OR URL? ? OR ((UNIFORM OR UNI- VERSAL)())RESOURCE() (LOCATOR? ? OR LOCATER? ?))
S3	915232	TRANSMIS???? OR TRANSMIT????? OR DOWNLOAD??? OR FORWARD??? OR ROUTE OR ROUTING OR ROUTED OR SEND OR SENDING OR SENT
S4	2386882	UPLOAD? ? OR RECEIV??? OR RECEPT??? OR RETRIEV??? OR FETCH- ??? OR ACQUIR??? OR OBTAIN??? OR RECEIPT OR ACCEPT??? OR GET - OR GETTING OR GOT OR OBTAIN??? OR REQUEST???
S5	1315150	PROGRAM? ? OR MODULE? ? OR CODE OR SUBROUTINE? ? OR ROUTIN- E? ? OR OBJECT? ? OR EXECUTABLE? ? OR PROCEDURE? ? OR SCRIPT? ?
S6	1665991	SERVER? ? OR NODE? ? OR WORKSTATION? ? OR PC? ? OR LAPTOP? ? OR DESKTOP? ? OR (DESK OR LAP)()TOP? ? OR PERSONAL()COMPUTE- R? ? OR WORK(W)STATION? ? OR TERMINAL? ?
S7	24	(S1(5N)S2)(100N)((S3 OR S4)(3N)S5(3N)S6)
S8	12	S7 NOT (PD=(20011008:20041008) OR PD=(20041008:20060201))
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S11	429	(S1(100N)S2(100N)(S3 OR S4)(100N)S5(100N)S6) NOT (PD=(1999- 0630:20020630) OR PD=(20020707:20060202) OR S8 OR S10)
S12	17	S11 AND IC=(G06F-015/16 OR H04L-012/00 OR H04L-012/12 OR H- 04L-012/26 OR H04L-012/28)
S13	12	(S11 AND S1/TI) NOT S12

? show files

File 348:EUROPEAN PATENTS 1978-2006/Jan W02
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File 349:PCT FULLTEXT 1979-2005/UB=20051229,UT=20051222
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1363340	TRANSMIS????
830561	TRANSMIT?????
1043063	DOWNLOAD???
5909073	FORWARD???
831637	ROUTE
330859	ROUTING
102119	ROUTED
1340985	SEND
544963	SENDING
1510090	SENT
68538	UPLOAD? ?
8034927	RECEIV???
593595	RECEPT???
920400	RETRIEV???
101413	FETCH???
4176678	ACQUIR???
3062599	OBTAIN???
388899	RECEIPT
2455881	ACCEPT???
7051660	GET
2685103	GETTING
2266645	GOT
3062599	OBTAIN???
2326131	REQUEST???
19141527	S3
S4 854091	(TRANSMIS???? OR TRANSMIT????? OR DOWNLOAD???
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	OR ROUTE OR ROUTING OR ROUTED OR SEND OR
	SENDING OR SENT OR UPLOAD? ? OR RECEIV???
	OR RECEPT???
	OR RETRIEV???
	OR FETCH???
	OR ACQUIR???
	OR OBTAIN???
	OR RECEIPT OR ACCEPT???
	OR GET OR GETTING OR GOT OR
	OBTAIN???
	OR REQUEST???) (3N) S3

Set	Items	Description
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S2	272314	WEBSITE? ? OR WEBPAGE? ? OR (WEB OR INTERNET OR ONLINE OR - HOME)() (PAGE? ? OR SITE? ? OR LOCATION? ?) OR HOMEPAGE? ? OR - HTML()DOCUMENT? ? OR ADDRESS? ? OR URL? ? OR ((UNIFORM OR UNI- VERSAL)()RESOURCE() (LOCATOR? ? OR LOCATER? ?))
S3	915232	TRANSMIS???? OR TRANSMIT????? OR DOWNLOAD??? OR FORWARD??? OR ROUTE OR ROUTING OR ROUTED OR SEND OR SENDING OR SENT
S4	2386882	UPLOAD? ? OR RECEIV??? OR RECEPT??? OR RETRIEV??? OR FETCH- ??? OR ACQUIR??? OR OBTAIN??? OR RECEIPT OR ACCEPT??? OR GET - OR GETTING OR GOT OR OBTAIN??? OR REQUEST???
S5	1665991	SERVER? ? OR NODE? ? OR WORKSTATION? ? OR PC? ? OR LAPTOP? ? OR DESKTOP? ? OR (DESK OR LAP)()TOP? ? OR PERSONAL()COMPUTE- R? ? OR WORK(W)STATION? ? OR TERMINAL? ?
S6	1	(S1(100N)S2(100N) (S3 OR S4) (100N) (FIX? ? OR PATCH? ?) (100N-)S5) NOT (PD=(19990630:20020630) OR PD=(20020707:20060202))

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File 348:EUROPEAN PATENTS 1978-2006/Jan W02

(c) 2006 European Patent Office

File 349:PCT FULLTEXT 1979-2005/UB=20051229,UT=20051222

(c) 2005 WIPO/Univentio

8/5/4 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00762708 **Image available**

**METHOD AND DEVICE FOR CONTROLLING A HOME NETWORK FROM AN EXTERNAL
COMMUNICATION NETWORK**

**PROCEDE ET DISPOSITIF POUR LE CONTROLE D'UN RESEAU DOMESTIQUE DEPUIS UN
RESEAU DE COMMUNICATION EXTERNE**

Patent Applicant/Assignee:

THOMSON MULTIMEDIA, 46, quai Alphonse Le Gallo, F-92100
Boulogne-Billancourt, FR, FR (Residence), FR (Nationality), (For all
designated states except: US)

Patent Applicant/Inventor:

BICHOT Guillaume, THOMSON multimedia, 46, quai Alphonse Le Gallo, F-92648
Boulogne Cedex, FR, FR (Residence), FR (Nationality), (Designated only
for: US)

FANNECHERE Nicolas, THOMSON multimedia, 46, quai Alphonse Le Gallo,
F-92648 Boulogne Cedex, FR, FR (Residence), FR (Nationality),
(Designated only for: US)

Legal Representative:

KOHRs Martin, Thomson multimedia, 46, quai Alphonse Le Gallo, F-92648
Boulogne Cedex, FR

Patent and Priority Information (Country, Number, Date):

Patent: WO 200076130 A1 20001214 (WO 0076130)
Application: WO 2000EP5015 20000531 (PCT/WO EP0005015)
Priority Application: EP 99401328 19990602

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AU BG BR CA CN CZ HU ID IN JP KR MX NZ PL SG SI SK TR US VN YU ZA
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): H04L-012/28

International Patent Class (v7): H04L-012/66; H04L-029/06

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5006

English Abstract

The invention concerns a method for controlling devices in a home network by a control device through a home access server. The method comprises the steps of: providing, in the home access server, a plurality of generic user control protocol pages for each functional component type defined by the home network specification; discovering, by the home access server, of functional components modules in the home network; upon selection of a functional component module through the control device, instantiation of generic user control protocol pages corresponding to said selected functional component module as a function of parameters of said selected functional component module. The invention also concerns a home access server device.

Set	Items	Description
S1	1205191	APPLIANCE? ? OR COFFEEMAKER? ? OR COFFEE()MAKER? ? OR VCR? ? OR VIDEO()CASSETTE()RECORDER OR (CD OR DVD)()PLAYER? ? OR D- ISHWASHER? ? OR OVEN? ? OR THERMOSTAT? ? OR (DISH OR CLOTHES)- () (WASHER? ? OR DRYER? ?) OR REFRIGERATOR? ?
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S3	19141527	PROGRAM? ? OR MODULE? ? OR CODE OR SUBROUTINE? ? OR ROUTIN- E? ? OR OBJECT? ? OR EXECUTABLE? ? OR PROCEDURE? ? OR SCRIPT? ? OR APPLICATION? ?
S4	854091	(TRANSMIS???? OR TRANSMIT????? OR DOWNLOAD??? OR FORWARD??? OR ROUTE OR ROUTING OR ROUTED OR SEND OR SENDING OR SENT OR UPLOAD? ? OR RECEIV??? OR RECEPT??? OR RETRIEV??? OR FETCH??? OR ACQUIR??? OR OBTAIN??? OR RECEIPT OR ACCEPT??? OR GET OR G- ETTING OR G
S5	6463286	SERVER? ? OR NODE? ? OR WORKSTATION? ? OR PC? ? OR LAPTOP? ? OR DESKTOP? ? OR (DESK OR LAP)()TOP? ? OR PERSONAL()COMPUTE- R? ? OR WORK(W)STATION? ? OR TERMINAL? ?
S6	62	(S1(5N)S2)(100N)(S4(3N)S5)
S7	2	S6 AND (PD<19990630 OR PY<2000)
S8	30	(S1(20N)S2)(100N)(S4(20N)S5) AND (PD<19990630 OR PY<2000)
S9	967	((S1(100N)S2(100N)S4(100N)S5) AND (PD<19990630 OR PY<2000)) NOT S8
S10	71	S9 AND S1/TI

? show files

File 275:Gale Group Computer DB(TM) 1983-2006/Feb 02
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File 47:Gale Group Magazine DB(TM) 1959-2006/Feb 02
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File 16:Gale Group PROMT(R) 1990-2006/Feb 02
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File 624:McGraw-Hill Publications 1985-2006/Feb 02
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File 484:Periodical Abs Plustext 1986-2006/Jan W5
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File 813:PR Newswire 1987-1999/Apr 30
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File 239:Mathsci 1940-2006/Mar
(c) 2006 American Mathematical Society

File 370:Science 1996-1999/Jul W3
(c) 1999 AAAS

File 696:DIALOG Telecom. Newsletters 1995-2006/Feb 02
(c) 2006 Dialog

File 621:Gale Group New Prod.Annou.(R) 1985-2006/Feb 02
(c) 2006 The Gale Group

File 674:Computer News Fulltext 1989-2005/Oct W2
(c) 2005 IDG Communications

File 88:Gale Group Business A.R.T.S. 1976-2006/Jan 30
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File 369:New Scientist 1994-2006/Aug W4
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File 160:Gale Group PROMT(R) 1972-1989
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File 15:ABI/Inform(R) 1971-2006/Feb 02
(c) 2006 ProQuest Info&Learning

File 9:Business & Industry(R) Jul/1994-2006/Feb 01
(c) 2006 The Gale Group
File 13:BAMP 2006/Jan W4
(c) 2006 The Gale Group
File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
File 610:Business Wire 1999-2006/Feb 02
(c) 2006 Business Wire.
File 647:CMP Computer Fulltext 1988-2006/Feb W1
(c) 2006 CMP Media, LLC
File 98:General Sci Abs/Full-Text 1984-2004/Dec
(c) 2005 The HW Wilson Co.
File 148:Gale Group Trade & Industry DB 1976-2006/Feb 02
(c)2006 The Gale Group
File 634:San Jose Mercury Jun 1985-2006/Feb 01
(c) 2006 San Jose Mercury News
File 256:TECINFOSOURCE 82-2005/DEC
(c) 2006 INFO.SOURCES INC

Set	Items	Description
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S2	10427047	WEBSITE? ? OR WEBPAGE? ? OR (WEB OR INTERNET OR ONLINE OR -HOME)() (PAGE? ? OR SITE? ? OR LOCATION? ?) OR HOMEPAGE? ? OR -HTML()DOCUMENT? ? OR ADDRESS? ? OR URL? ? OR ((UNIFORM OR UNI-VERSAL)()RESOURCE() (LOCATOR? ? OR LOCATER? ?))
S3	25261	(TRANSMIS???? OR TRANSMIT???? OR DOWNLOAD??? OR FORWARD??? OR ROUTE OR ROUTING OR ROUTED OR SEND OR SENDING OR SENT OR UPLOAD? ? OR RECEIV??? OR RECEPT??? OR RETRIEV??? OR FETCH??? OR ACQUIR??? OR OBTAIN??? OR RECEIPT OR ACCEPT??? OR GET OR G-ETTING OR G
S4	6463436	SERVER? ? OR NODE? ? OR WORKSTATION? ? OR PC? ? OR LAPTOP? ? OR DESKTOP? ? OR (DESK OR LAP)()TOP? ? OR PERSONAL()COMPUTE-R? ? OR WORK(W)STATION? ? OR TERMINAL? ?
S5	32	(S1(100N)S2(100N)S3(100N)S4) AND (PD<19990630 OR PY<2000) ? show files
		File 275:Gale Group Computer DB(TM) 1983-2006/Feb 02 (c) 2006 The Gale Group
		File 47:Gale Group Magazine DB(TM) 1959-2006/Feb 02 (c) 2006 The Gale group
		File 16:Gale Group PROMT(R) 1990-2006/Feb 02 (c) 2006 The Gale Group
		File 624:McGraw-Hill Publications 1985-2006/Feb 02 (c) 2006 McGraw-Hill Co. Inc
		File 484:Periodical Abs Plustext 1986-2006/Jan W5 (c) 2006 ProQuest
		File 613:PR Newswire 1999-2006/Feb 02 (c) 2006 PR Newswire Association Inc
		File 813:PR Newswire 1987-1999/Apr 30 (c) 1999 PR Newswire Association Inc
		File 239:Mathsci 1940-2006/Mar (c) 2006 American Mathematical Society
		File 370:Science 1996-1999/Jul W3 (c) 1999 AAAS
		File 696:DIALOG Telecom. Newsletters 1995-2006/Feb 02 (c) 2006 Dialog
		File 621:Gale Group New Prod.Annou.(R) 1985-2006/Feb 02 (c) 2006 The Gale Group
		File 674:Computer News Fulltext 1989-2005/Oct W2 (c) 2005 IDG Communications
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		File 13:BAMP 2006/Jan W4 (c) 2006 The Gale Group
		File 810:Business Wire 1986-1999/Feb 28 (c) 1999 Business Wire
		File 610:Business Wire 1999-2006/Feb 02 (c) 2006 Business Wire.

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09886455 SUPPLIER NUMBER: 20014031 (THIS IS THE FULL TEXT)
The networked family: linked appliances will be very convenient - and perhaps unnerving. (1998 Tech Guide; includes related articles)
Thomas, Susan Gregory
U.S. News & World Report, v123, n21, p66(8)
Dec 1, 1997
ISSN: 0041-5537 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 4804 LINE COUNT: 00374

ABSTRACT: New technology will be able to automate numerous functions for families in coming years. Networks will revolutionize households. Forecasts about the Internet, an IBM Home Director kit, thin television sets, Net television and other topics are discussed.

(Note: This is an amalgam of articles. Only pertinent excerpt included.)

TEXT:

Imagine that your house knows you. Imagine it knows you like to listen to Billie Holiday's "Ill Wind" when it's raining outside and "Pump It Up" by Elvis Costello when you're on the StairMaster. Imagine it knows what you have in the fridge and what to order to prepare for Friday evening's formal dinner for four. Imagine it knows to light your path through its halls, interpret your E-mail, and display digital reproductions of Judy Chicago works on flat-panel monitors when your feminist grandmother visits, Hole posters when your multi-pierced niece arrives.

This setup may sound at once cool, bizarre, and tacky--but, above all, out of the question for all but billionaires like Bill Gates. But computer networking could change that sooner than you might think. By the turn of the century, ground- and satellite-based networks linking computers to the Internet will be everywhere, radically transforming the way we conduct business. Networks may even extend to household appliances--perhaps even to clothes in the closet--recasting them as digital butlers that could serve middle-class homes the way they do Gates's--only a lot more cheaply.

Analysts of all ideologies claim the network revolution will profoundly change our culture. Some technology pundits like Esther Dyson and George Gilder imagine networked communications will have a democratizing effect on society and empower individuals. Others fear it may further divide social classes into technology haves and have nots. And there are those who predict it will hasten the end of personal privacy.

All agree we will find out the extent of networking's reach in the next 10 years. It wasn't so long ago that when Sun Microsystems' CEO Scott McNealy preached, "the network is the computer," none but a knowing few understood what he meant. Now the usefulness of networking is plain, particularly in businesses. Although corporations have had computer networks of a sort for decades, Windows-based PCs are now challenged by Java-run NCs, inexpensive network computers that allow employees to grab the latest application from powerful servers as needed. Installing word processors, spreadsheets--even turning machines on and off--doesn't require a staff of technicians to fix machines one by one. A single person can do it from one computer.

Such networking technology is already being used outside the office. Over the next several years, many hotels may equip guest rooms with NCs that let travelers get their E-mail and write reports by running personal

"smart cards"--credit-card-size pieces of plastic embedded with micro-processors--through special readers. New wireless phones are not just for making calls; they're computers that can access the Internet, send and receive E-mails and faxes and get sports scores, stock quotes, news headlines, and airline schedules. Soon they may come equipped with smart-card readers, making it possible to download money from an Internet bank account right into the digital wallet.

Not Dick Tracy. It's an axiom in the computer industry: Watch what happens in the office, wait about 10 years, and--voila!--you have a picture of what technologies may look like at home. "Many people think of home networking as being as likely a phenomenon as Dick Tracy wristwatches," says Emily Green, an analyst who tracks consumer technology at Forrester Research. "They think of it as fatuously futuristic, but I think it's inevitable. All kinds of indicators point to it."

Indeed, computer and communications companies with stakes in business networking are all predicting that the general-purpose computers that now sit in dens will be **servers** in the closets of future homes, managing households' "smart **appliances** ." One example would be microchip-enabled **refrigerators** that can diagnose themselves by **downloading fix-it** software from their maker's **Web sites** .

But when and how? The number of people who network their home computers today is almost negligible and certainly hard to track; only about 5,000 households in the United States have linked together two or more computers. Most of them, the best guesses proffer, are hobbyists, who might, for example, connect **PCs** to share a printer. Another elite group, which some analysts refer to as "guys with **servers** in their basements," are computer or telecommunications executives with the need, money, and technical know-how to wire their homes, install and use software designed to manage networks, and fix bugs when they pop up. In other words, not most of us.

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netzflocken.de/articles/tag/home-automation - 24k - Feb 1, 2006 -

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iLon is an **appliance** server platform that must be configured for each application. Standard **Web page** development tools and LonMaker are all that is required ...

www.iapplianceweb.com/story/oeg20010703s0016.htm - 41k -

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NATURAL GAS AND PROPANE **APPLIANCES**: We got into these as a sideline to renewable energy, ... We have a great many informative links on our **web page** at ...

www.oasismontana.com/newsltr/2004-01/page3.html - 20k - [Cached](#) - [Similar pages](#)

ShouldExist || Bluetooth Enabled Household Appliances

All **appliances** would still function without connectivity, ... Also logged to the **web page**. And lots of X10 stuff for tuning on TV and lights. ...

www.shouldexist.org/story/2005/2/18/74750/1031 - 30k - [Cached](#) - [Similar pages](#)

IronMail Anti-Virus/Anti-Spam

The URL leads to a **webpage** on the IronMail **appliance** that contains a listing of each quarantined message, along with options to release, delete, ...

www.uni.edu/its/ns/av-as.html - 5k - [Cached](#) - [Similar pages](#)

Web Appliance Architecture

Others are information "**appliances**" dedicated to a specific function, such as digital ... Veronica can read a **web page** about the city, another about Harry, ...

www.eurescom.de/~pub/fusenetd/Kindberg.htm - 11k - [Cached](#) - [Similar pages](#)

[PDF] Intel Communications ICH Value Appliance Reference Design

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Value **Appliance** Reference Design **Web page** at. developer.intel.

com/platforms/applied/eiacomm/.reference_configs.htm. The Intel Communications ICH Value ...

www.intel.com/platforms/applied/eiacomm/value3/27357401.pdf - [Similar pages](#)

Joseph Noar - Personal Web Page

Joe Noar's clinical interest is in the field of growth modification for dento-facial deformity particularly the use of functional **appliance** therapy; ...

www.eastman.ucl.ac.uk/staff/jnoar.html - 10k - [Cached](#) - [Similar pages](#)

Requests for Proposals, Funding Programs, Contracts, Solicitations ...

Appliance Efficiency Program, Request for Qualifications 400-05-403, January 25, 2006 ...

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Whirlpool Properties, Inc., et al. v. Ace Appliance Parts and ...

This **web site**, which identifies itself as the site of "Ace **Appliance**," also offers for sale parts for **appliances** manufactured by a number of Complainants' ...

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Information at Sainsburys Kitchen Appliances

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Factory Appliance - Parts and Service

Site content is copyright Factory **Appliance Parts & Service**, 1287 Caledonia Road, Toronto, ON M6A 2X7. Tel: 416-789-0649 Ext. 221, Fax: 416-781-3216.

www.factoryappliance.com/ - 8k - [Cached](#) - [Similar pages](#)

STORServer Backup Appliance - Backup, Archive, Disaster Recovery ...

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www.storserver.com/ - 28k - Jan 31, 2006 - [Cached](#) - [Similar pages](#)

EERE Consumer's Guide: Appliances and Home Electronics

If you live in a typical US home, your **appliances** and home electronics are responsible for about ... These **appliances** and electronics include the following: ...

www.eere.energy.gov/consumer/your_home/appliances/index.cfm/mytopic=10020 - 18k -

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Transactions in Mobile Electronic Commerce

J Veijalainen - FMLDO - Selected Papers, 1999 - springerlink.com

... This makes **automation** of the services cumbersome at ... **Bluetooth** technology [20] will further enhance the ... software toys, electronics, tools, **home-improvement** items ...

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WP 1-Review AND Analysis OF National Foresight D1. 1-First Report ON Review AND Analysis OF ...

P Responsible - information society, 1998 - fistera.jrc.es

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Wireless Communications in the Information Society

IPDY Neuvo - 1999 - acoustics.hut.fi

... communication-, interaction-, **automation**-, postindustrial-, specialist-, service-, immaterial needs-, postmodern-, or learning society. 1 The ...

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Information in places

JC Spohrer, S Figure - IBM Systems Journal, 1999 - research.ibm.com

... using the technique to accomplish office **automation** tasks or ... have the floor plan of their **home** as part ... bandwidths, many solutions exist, 63 and **Bluetooth** 64 is ...

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[BOOK] Successful marketing strategy for high-tech firms

E Viardot - 1995 - books.google.com

Page 1. Successful Marketing Strategy for High-Tech Firms Third Edition Th

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Windows CE-the best choice in handheld systems for the corporate mobile work force.

SJ Mastrianni - 1998 - mastrianni.net

... The most common disconnection scenario has been a user detaching his or her laptop and taking it **home** to work in the evening or over the weekend [33]. Mobile ...

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EXPANDED ACADEMIC ASAP®

ELE Policy, SES End - ABA Journal, 1984 - tsupacific.net

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Expanded Academic ASAP on InfoTrac Web provides a combination ...

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A Technical Approach to Privacy based on Mobile Agents Protected by Tamper-resistant Hardware

UG Wilhelm - PhD Theses Nr, 1961 - lsewww.epfl.ch

... as the telephone or satellite TV allow people to stay – more or less – in touch with the people that are important to them or with their **home** country (ie ...

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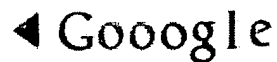
Annual Report

NCS Center, C Agreement - Australian insects for use as biological controls against ..., 1991 - [spaceresearch.nasa.gov](#)

Page 1. NASA PHYSICAL SCIENCES RESEARCH DIVISION National Aeronautics and

Space Administration George C. Marshall Space Flight Center ...

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Virtual Infrastructure: Putting Information Infrastructure on the Technology Curve

D Tennenhouse, B Lampson, SE Gillett, JS Klein - Computer Networks and ISDN Systems, 1996 - research.microsoft.com

 ... that the distribution of information is not vertically bundled; there are open markets in which information suppliers and information **appliance** vendors offer ...

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Hints for Computer System Design

BW Lampson - IEEE Software, 1984 - cmt.research.microsoft.com

 ... organized. 2.5 Handling all the cases. Diseases desperate grown By desperate **appliance** are reliev'd or not at all. (III vii 9). ...

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WEIDONG MAO

T INTERESTS - 1999 - cs.gsu.edu

 ... 463-2825(O) , (601)291-2658(C) Email:wmao@cs.gsu.edu **Webpage**: http://cs ... Dr. Chunyu Ran Thesis: The Application of CAD on design of Sanitary **Appliance** June 1999 ...

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Reviews and Abstracts

KHS Tsang, MS Cooke, T Piyapattamin, Y Takano, K ... - Journal of Orthodontics, 1999 - jorthod.maneyjournals.org

 ... Activator and Begg **appliance** management of a severe Angle Class II, division 1 ... Producing one's own **webpage** is becoming easier all the time, and relatively ...

[Web Search](#)

Identifying Strategic Alliances In The Global Information Sector, 1989-1998

A Genereux, D Knoke - EGOS Colloquium, July, 1999 - soc.umn.edu

 ... and Related Support Activities (323) and Electrical Equipment, **Appliance**, and Component ... annual revenues, number of employees, postal and **webpage** addresses, plus ...

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Home Networking

X Feng - Recent Advances in Networking Paper, Ohio State University, ..., 1999 - cis.ohio-state.edu

 ... Figure 2 Home Networking Applications(Source: Intel's Anypoint **Webpage**). ... Then each **appliance** that you want to control is plugged into an X10 module which is ...

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[PS] An Infrastructure for Electromechanical Appliances on the Internet

JT Foley - 1999 - mit.edu

 ... 1.3.2 Software An **appliance** making use of controller and ONS software contains a reader networked ... When the **appliance**'s controller (which is connected to the ...

 Cited by 6 - [View as HTML](#) - [Web Search](#) - [mit.edu](#) - [mit.edu](#) - [mit.edu](#)

[PS] CPU SERVICE CLASSES: A SOFT REAL TIME FRAMEWORK FOR MULTIMEDIA APPLICATIONS

H CHU - 1999 - historical.ncstrl.org

 ... environments where each application or **appliance** has its own dedicated special purpose computing hardware. The ad- vantages of this ...

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[book] Handbook of Services Marketing and Management

D Iacobucci - 1999 - books.google.com

Page 1. HANDBOOK of SERVICES MARKETING & MANAGEMENT TeresaA. Swartz

DawnIacobucci Editors)Sage Publications, Inc. In(ema fiona/Educat ...

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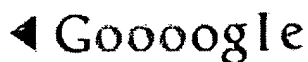
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